

SUMMARY

The Advanced Reactors Transition (ART) Project (also known as the FFTF Standby Project) consists of WBS 1.12.1.1, Project Baseline Summary (PBS) TP11.

The ART mission area continued to make significant progress in March. Technical accomplishments included completing the Performance Agreement (PA) support milestone for FFTF Standby Work Phase 98-1, including formal report, HNF-2252, "Reactor Vessel Head Mounted Equipment Testing." The Open Test Assembly (OTA) Shear Project is continuing its transition from development and design to fabrication, and good progress continues on all phases of the NE Legacies deactivation work. The Performance Expectation Plan (PEP) for preparation of the Annual System Assessment Reports and Component Status Reports for Standby was completed and the PEP to Characterize the Plutonium Recycle Test Reactor (PRTR) Fuel Transfer Pit was completed five weeks ahead of schedule. The refrigerant change out, from R-12 to R-134a, was completed on the first two Ex-Containment Chilled Water (ECCW) chillers.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, FO, and RL) shows that ten milestones (100 percent) were completed on or ahead of schedule. There are no milestones overdue or forecast late.

ACCOMPLISHMENTS

- Completed the PA support milestone for FFTF Standby Work Phase 98-1 on schedule. (Milestone B13-98-105)
- Completed the PA support milestone for Issuing the Head Mounted Equipment Testing Report five days ahead of schedule. (Milestone B13-98-102)
- Completed the PEP for preparation of the Annual System Assessment Reports and Component Status Reports for Standby 12 days ahead of schedule. (Milestone B13-98-106)
- Completed PEP to Characterize the PRTR Fuel Transfer Pit five weeks ahead of schedule. (Milestone B79-98-901)
- Completed refrigerant change out, from R-12 to R-134a, on the first two ECCW Chillers (E-21 and E-22) on schedule. (Planned)

COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
Advanced Reactors Transition	\$ 21.1	\$ 19.9	\$ 1.2

The \$1.2 million (5.7 percent) favorable cost variance is within the established +10 percent criteria.

SCHEDULE PERFORMANCE (\$M):

	BCWP	BCWS	VARIANCE
Advanced Reactors Transition	\$ 21.1	\$ 22.0	(\$ 0.9)

The \$0.9 million (4.1 percent) unfavorable schedule variance is due to changing the OTA Shear Project scope to be consistent with revised program requirements. The G3 Control System Upgrade is behind schedule due to delays in the delivery of the new control system for installation. Dump Heat Exchanger (DHX) drive train work was delayed due to higher priority activities. Some NE Legacies work is on hold due to loss of funding. Also, 309 Building fuel storage basin work was delayed due to air permit requirements.

ISSUES

- 1) **FY 1999 ART Budget Guidance.** The ART FY 1999 budget guidance has \$31.2 million for FFTF and \$1.9 million for NE Legacies activities. An increase to the FY 1999 budget guidance is needed by May 1, or staff and scope reduction actions will need to be initiated. An additional \$10 million is required for either a shutdown mission or a tritium/isotope production mission.

Status/Corrective Action: A plan is being developed to address the current funding guidance. Additional funding is dependent on a Secretary of Energy decision on the dual track tritium production strategy.

COST VARIANCE ANALYSIS: \$1.4M

WBS/PBS

1.12/TP11

Title

Advanced Reactors Transition

Description and Cause: Not required.

SCHEDULE VARIANCE ANALYSIS: (\$0.9)**WBS/PBS****Title****1.12/TP11****Advanced Reactors Transition**

Description and Cause: The \$0.9 million (4.1 percent) unfavorable schedule variance is due to changing the OTA Shear Project scope to be consistent with revised program requirements. The G3 Control System Upgrade is behind schedule due to delays in the delivery of the new control system for installation. DHX drive train work was delayed due to higher priority activities. Some NE Legacies work is on hold due to loss of funding. Also, 309 Building fuel storage basin work was delayed due to air permit requirements.

Impact: Schedule recovery is planned during the balance of the fiscal year for most activities.

Corrective Action: A revised PA was approved for the OTA Shear Project and BCR ART-98-010 is pending approval. Recovery of other delayed items is in process. Due to funding reductions, BCRs are in process to revise scope for some activities including NE Legacies.

MILESTONE EXCEPTION REPORT

Number/WBS Level Milestone Title
Forecast Date

Baseline Date

OVERDUE - 0

FORECAST DELAY - 0